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New Global Standard Inverter TOSVERT™

VF-S11

1-phase 240V 0.2kW to 2.2kW
3-phase 240V 0.2kW to 15kW
3-phase 500V 0.4kW to 15kW

You thought they were all the same...
Our brilliance has a reason.

It's hard to find a good egg by just looking at it. The same can be said for inverters. They all look the same, but actually you can have superior performance. VF-S11

As a result of aiming a little higher, our eggs have a little more sparkle.

New Global Standard Inverter TOSVERT®

VF-S11

Built-in EMI noise filter

Introducing the world’s top class compact inverter

1. High Torque

Initial torque surpasses 1Hz-200%* at start up instantly from low speed. Smooth operation in regeneration area as well as motoring area is possible through Toshiba’s very own power vector control. Moreover, you can make settings in a single step by using the automatic torque boost function with auto tuning accomplished at the same time. Equipped with an energy saving mode, application reach a higher level of efficiency.

* When running a standard Toshiba 4-pole motor. (Depends on the voltage and range.)

2. Compact

Save space with its super compact design that has greatly reduced dimensions. Plus, you can install multiple units side by side for high-density facilities. Moreover, for such a compact model, it has a surprisingly high level of functionality. Its ease-of-use makes it a top class inverter.

*Refer to the specifications on the reverse.

3. Removable terminal board

It is the first in its class with a removable control terminal. Wiring and ease of maintenance are improved exceptionally. The control terminal circuit board can be removed leaving space for an innumbly mounted communications option board.

4. Built-in EMI Noise Filter

Environmental considerations are also the very best in its class. Single-phase and 500V devices are equipped with a high-attenuation EMI noise filter greatly reducing the RFI noise generated by the inverter.

For 1-ph 240V, and 3-ph 500V models : EN55011 Class A Group 1(Max.5m*) - standard built-in, Class B Group 1(Max.20m*) - external noise filter option.

For 3-ph 240V : EN55011 Class A Group 1(Max.5m*) - standard, Class B Group 1(Max.1m*) - external noise filter option.

* Length of motor connecting cable.

5. Easy maintenance

A warning signal is output to the panel monitor when the electrolytic capacitors on the main circuit, the cooling fan and the control board have been reached the replacement period. A valuable indicator which can be used as a maintenance guideline. The cooling fan can be replaced easily, and the automatic on/off function provides extended machine life. On top of that, the main circuit capacitors are designed with a 10year lifetime* making this a long-life inverter. It can be used in an ambient temperature up to 60°C for leading environmental resistance. (Minimum reduction of current required)

* Ambient temperature: average yearly temperature of 40°C. Output voltage: Operating 24 hours per day for 365 days at 80% of the current rating for Toshiba’s 4-pole motor.

6. Extended power range

Wide range of powers up to 15kW for this class of inverter.

*5.5kW is 3-phase 240V class only.